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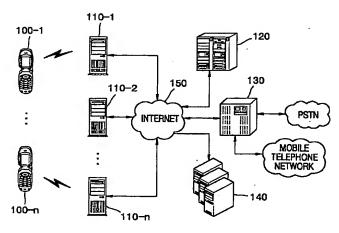
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR PROVIDING WIRELESS INTERNET MOBILE COMMUNICATION SERVICE AND METHOD OF THE SAME



(57) Abstract: Provided are a system and method for providing wireless Internet mobile communication service. A channel allocator allocates a communication channel to an Internet mobile station when the Internet mobile station transmits a call requesting message to an Internet mobile switching center system or when the Internet mobile switching center system transmits the call requesting message to the Internet mobile station. An address allocator allocates a rental IP address to the Internet mobile station, transmits address allocation information of the Internet mobile station, withdraws the rental IP address from the Internet mobile station when mobile communication between the Internet mobile station and a counterpart Internet mobile station ends, and informs the Internet mobile switching center system of the withdrawal of the rental IP address. A call controller receives an IP address of the counterpart Internet mobile station from the Internet mobile switching center system, transmits the IP address of the counterpart Internet mobile station to the Internet mobile station, and relays speech IP packets between the Internet mobile station and the counterpart Internet mobile station via a communication channel of the Internet mobile station.



International application No. PCT/KR2004/000192

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04Q 7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC7 H04L, H04Q, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
x	US 6359880 B1(James E. Curry) 19 Mar 2002 the whole document	1 - 22	
Y	US 5953322 A(Qualcomm) 14 Sep 1999 the whole document	1 - 22	
Y	US 2002/0075850 A1(Ericsson) 20 Jun 2002 the whole document	1 - 22	
Y	KR 2003-0369803 B(Samsung) 14 Jan 2003 the whole document	1 - 22	

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	Further documents are listed in the continuation of Box C.		X	See patent family annex.			
* "A"	Special categories of cited documents:	"T"	later do	cument published after the internat	ional filipp data		
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Date	of the actual completion of the international search	Date	of moil				
21 APRIL 2004 (21.04.2004) Name and mailing address of the ISA/KR		Date of mailing of the international search report 10 MAY 2004 (10.05.2004)					
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Information on patent family members

Patent document cited in search report	Publication date	Patent family member(s)	Publication date		
US 6359880 B1	19 Mar 2002	None			
US 5953322 A	14 Sep 1999	None			
US 2002/0075850 A1	20 Jun 2002	None			
KR 2003-0369803 B	14 Jan 2003	None			
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